

Console Skiff Bill of Materials

DO NOT PURCHASE ANY MATERIAL UNTIL YOU READ THIS SECTION. The following list of materials is intended to be a general guide only. Before ordering any materials, the text and plans should be checked for possible options. All lumber listed as 1" stock is to be standard "lumberyard four-quarter" material which when finished may vary to somewhat less or slightly more than 3/4" in thickness. All widths are NET and all lengths allow for cutting to fit. Grouping lumber and purchasing random-random material to resaw to the required size will result in considerable savings. All lumber used should be first grade free from shakes and knots. Although mahogany (dark red Philippine type) is called out in the listing, lumber typical to the locale and of similar types and weights may be substituted. All plywood (PW) is to be marine (MAR) or exterior (EXT) grade. The marine-type is preferable as the inner cores are solid and thus the panel has more structural integrity. Douglas-fir (DF) is satisfactory with the quality of the exposed faces of the veneer being designated by the letters "A" or "B". The "AA" grade panels are always preferable, however, "AB" grade is acceptable. All plywood should be a minimum of three plies. All fastenings should be bronze or hot dipped galvanized ferrous metal. Brass fastenings are not advised nor are the electroplated screws commonly sold in hardware stores. All screws are to be of the flat head type intended for wood. All nails are of the ring-type nail common to boat construction. Unless otherwise specified, all wood-to-wood joints are to be glued with a waterproof or highly water resistant glue such as plastic resin, resorcinol, epoxy, or other equivalent type used per the manufacturer's instructions regarding temperature, clamping requirements, curing time, and mixing method.

Abbreviations used in the following are: DF = Douglas-Fir; Mahog. = Mahogany; PW = Plywood; MAR = Marine; EXT = Exterior.

ITEM	MATERIAL	NO. PCS.	SIZE
LUMBER:			
#10 Breasthook	Mahog	1	2" x 9" x 1' (Lams of 1" stock opt.)

#11 Long Beam Aft Top Cleat Fwd Cleat & Upright	Mahog Mahog	2 2	1" x 1-1/4" x 6'-6" 1" x 1-1/4" x 4'-6"
#12 Motor Well Sides	Mahog	1	1" x 1-1/4" x 9 lin. ft.
#13 Partial Bulkhead Top Cleat Bottom Cleat	Mahog Mahog	1 1	1" x 1-1/4" x 5' 1" x 1-1/4" x 3'
#14 Aft Bulkhead Top Cleat Bottom Cleat	Mahog Mahog	1 1	1" x 1-1/4" x 6' 1" x 1-1/4" x 4'-6"
#17 Fwd Bulkhead Top Cleat	Mahog	1	1" x 1-1/4" x 3'
<i>NOTE: Total of above 1" x 1-1/4" cleats = 53 lineal feet.</i>			
Knee Cleat	DF	1	2" x 4" x 2'
Flat Cross Cleats	Mahog Mahog	1 1	1" x 2-1/2" x 4'-6" 1" x 2-1/2" x 2'-6"
Strongback	Mahog	1	1" x 3" x 7'
Inner Sheer	Mahog	2	1" x 1-1/2" x 16'-6"
Outer Sheer	Mahog	2	1" x 1-1/2" x 16'-6"
Sheer Bumper	Mahog	2	1" x 1-1/4" x 16'-6"

PLYWOOD: See "Plywood Layout" Pattern Sheet 1 of 2

#1, #6 & #11	DF Mar AA or AB	2	3/8" x 4' x 8'
#3, #4, #5, #13, Keel, battens, etc.	DF Ext or Mar AA or AB	4	3/8" x 4' x 8'
#12, #14, #15, #16, #17, #18 & Misc	DF Ext AC	3	3/8" x 4' x 8'
#8 & #9	DF Ext AB	1	3/4" x 4' x 8'

FASTENINGS:

SCREWS: Flathead wood type, bronze or hot dipped galvanized

- 1" #8 - 6 dozen
- 1-1/2" #8 - 17 dozen (1 gross + 5 dozen)
- 2" #10 - 6 only
- 3" #14 - 6 only

NAILS: Ring type boat nails, bronze or Monel

- 1" - 1 pounds

CARRIAGE BOLTS: With nut and washer

- 5/16" x 6" - 4 required

STITCHING WIRE: Copper wire 12 or 14 ga. Steel wire optional but must be removed. - 50 lineal feet

EPOXY RESIN: For gluing, epoxy encapsulation & resin putty

- INTERIOR: Approx. 3 gallons
- EXTERIOR: Includes fiberglassing - Approx. 3 gallons

MICROSPHERES (or equal): 3 lbs.

SILICA: 1-1/2 lbs.

FIBERGLASS CLOTH: For exterior sheathing, 7-8 oz. treated boat type.

- 12 yards - 60" wide

BI-AXIAL CLOTH: (tape optional) 17 oz or equivalent.

- 27' (9 yds.) 50" cloth cut lengthwise into 3", 4" and 5" widths.